PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

title: +metasearch or +"meta search"

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **metasearch** or **meta search** Found **77** of **171,143**

Sort results by: relevance | Display results: expanded form | Save results to a Binder | Search Tips | Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 77 Result page: **1** 2 3 4 next

Relevance scale

1 Crawling the web: Building domain-specific web collections for scientific digital libraries: a meta-search enhanced focused crawling method

Jialun Qin, Yilu Zhou, Michael Chau

June 2004 **Proceedings of the 4th ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(214.74 KB) Additional Information: full citation, abstract, references, index terms

Collecting domain-specific documents from the Web using focused crawlers has been considered one of the most important strategies to build digital libraries that serve the scientific community. However, because most focused crawlers use local search algorithms to traverse the Web space, they could be easily trapped within a limited sub-graph of the Web that surrounds the starting URLs and build domain-specific collections that are not comprehensive and diverse enough to scientists and researcher ...

Keywords: digital libraries, domain-specific collection building, focused crawling, meta-search, web search algorithm

2 Industry session 3: data analysis, mining, and managing XML: Intelligent metasearch engine for knowledge management

Eui-Hong Han, George Karypis, Doug Mewhort, Keith Hatchard

November 2003 **Proceedings of the twelfth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(368.32 KB) Additional Information: full citation, abstract, references, index terms

The explosive growth of available information sources and the resulting information overload pose several problems for users in many business organizations and educational institutions. First, searching through several information sources, one at a time, is a source of enormous frustration for users. Second, top-ranked documents in search results are frequently irrelevant to what users are interested in. To address these problems, we have developed ixmeta™, a powerful metasearch engine tha ...

Keywords: clustering, collaboration, collection fusion, library automation, metasearch, personalization

3 Models for metasearch

Javed A. Aslam, Mark Montague
September 2001 **Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press

Full text available: pdf(181.33 KB) Additional Information: full citation, abstract, references, citings, index terms

Given the ranked lists of documents returned by multiple search engines in response to a given query, the problem ofmetasearchis to combine these lists in a way which optimizes the performance of the combination. This paper makes three contributions to the problem of metasearch: (1) We describe and investigate a metasearch model based on an optimal democratic voting procedure, the Borda Count; (2) we describe and investigate a metasearch model based on Bayesian inference; ...

4 Rank aggregation methods for the Web
Cynthia Dwork, Ravi Kumar, Moni Naor, D. Sivakumar
April 2001 **Proceedings of the 10th international conference on World Wide Web**
Publisher: ACM Press
Full text available: pdf(288.25 KB) Additional Information: full citation, references, citings, index terms

Keywords: metasearch, multi-word queries, rank aggregation, ranking functions, spam

5 Experiences with selecting search engines using metasearch
Daniel Dreilinger, Adele E. Howe
July 1997 **ACM Transactions on Information Systems (TOIS)**, Volume 15 Issue 3
Publisher: ACM Press

Full text available: pdf(428.65 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Search engines are among the most useful and high-profile resources on the Internet. The problem of finding information on the Internet has been replaced with the problem of knowing where search engines are, what they are designed to retrieve, and how to use them. This article describes and evaluates SavvySearch, a metasearch engine designed to intelligently select and interface with multiple remote search engines. The primary metasearch issue examined is the importance of carefully selecti ...

Keywords: WWW, information retrieval, machine learning, search engine

6 Search 1: Expert agreement and content based reranking in a meta search environment using Mearf
B. Uygar Oztekin, George Karypis, Vipin Kumar
May 2002 **Proceedings of the 11th international conference on World Wide Web**
Publisher: ACM Press

Full text available: pdf(509.92 KB) Additional Information: full citation, abstract, references, citings, index terms

Recent increase in the number of search engines on the Web and the availability of meta search engines that can query multiple search engines makes it important to find effective methods for combining results coming from different sources. In this paper we introduce novel methods for reranking in a meta search environment based on expert agreement and contents of the snippets. We also introduce an objective way of evaluating different methods for ranking search results that is based upon implici ...

Keywords: collection fusion, expert agreement, merging, meta search, reranking

7 Posters: Building an open source meta-search engine

A. Gulli, A. Signorini

May 2005 **Special interest tracks and posters of the 14th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(175.54 KB) Additional Information: full citation, abstract, references, index terms

In this short paper we introduce Helios, a flexible and efficient open source meta-search engine. Helios currently runs on the top of 18 search engines (in Web, Books, News, and Academic publication domains), but additional search engines can be easily plugged in. We also report some performance mesured during its development.

Keywords: meta search engines, open source

8 Information retrieval: Condorcet fusion for improved retrieval

Mark Montague, Javed A. Aslam

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(240.85 KB) Additional Information: full citation, abstract, references, citings

We present a new algorithm for improving retrieval results by combining document ranking functions: *Condorcet-fuse*. Beginning with one of the two major classes of voting procedures from Social Choice Theory, the Condorcet procedure, we apply a graph-theoretic analysis that yields a sorting-based algorithm that is elegant, efficient, and effective. The algorithm performs very well on TREC data, often outperforming existing metasearch algorithms whether or not relevance scores and training ...

9 Information access and retrieval: Web metasearch: rank vs. score based rank aggregation methods

M. Elena Renda, Umberto Straccia

March 2003 **Proceedings of the 2003 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available: pdf(693.72 KB) Additional Information: full citation, abstract, references, index terms

Given a set of rankings, the task of ranking fusion is the problem of combining these lists in such a way to optimize the performance of the combination. The ranking fusion problem is encountered in many situations and, *e.g.*, metasearch is a prominent one. It deals with the problem of combining the result lists returned by multiple search engines in response to a given query, where each item in a result list is ordered with respect to a search engine and a relevance score. Several ranking ...

Keywords: meta-search, rank list aggregation

10 Visual information retrieval from large distributed online repositories

Shih-Fu Chang, John R. Smith, Mandis Beigi, Ana Benitez

December 1997 **Communications of the ACM**, Volume 40 Issue 12

Publisher: ACM Press

Full text available: pdf(1.96 MB) Additional Information: full citation, references, citings, index terms

11 Auctions and E-commerce: Paid placement strategies for internet search engines

Hemant K. Bhargava, Juan Feng

May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(294.18 KB) Additional Information: full citation, abstract, references, index terms

Internet search engines and comparison shopping have recently begun implementing a paid placement strategy, where some content providers are given prominent positioning in return for a placement fee. This bias generates placement revenues but creates a disutility to users, thus reducing user-based revenues. We formulate the search engine design problem as a tradeoff between these two types of revenues. We demonstrate that the optimal placement strategy depends on the relative benefits (to provid ...

Keywords: bias, information gatekeepers, paid placement, promotion, search engines

12 An overview and classification of mediated query systems

Ruxandra Domenig, Klaus R. Dittrich

September 1999 **ACM SIGMOD Record**, Volume 28 Issue 3

Publisher: ACM Press

Full text available: pdf(897.64 KB) Additional Information: full citation, abstract, citings, index terms

Multimedia technology, global information infrastructures and other developments allow users to access more and more information sources of various types. However, the "technical" availability alone (by means of networks, WWW, mail systems, databases, etc.) is not sufficient for making meaningful and advanced use of all information available on-line. Therefore, the problem of effectively and efficiently accessing and querying heterogeneous and distributed data sources is an impo ...

13 World Wide Web: Merging techniques for performing data fusion on the web

Theodora Tsikrika, Mounia Lalmas

October 2001 **Proceedings of the tenth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(1.30 MB) Additional Information: full citation, abstract, references, citings, index terms

Data fusion on the Web refers to the merging, into a unified single list, of the ranked document lists, which are retrieved in response to a user query by more than one Web search engine. It is performed by metasearch engines and their merging algorithms utilise the information present in the ranked lists of retrieved documents provided to them by the underlying search engines, such as the rank positions of the retrieved documents and their retrieval scores. In this paper, merging techniques are ...

Keywords: Dempster-Shafer's theory of evidence, information retrieval, web data fusion

14 Structured documents: Combining document representations for known-item search

Paul Ogilvie, Jamie Callan

July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Publisher: ACM Press

Full text available: pdf(200.95 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper investigates the pre-conditions for successful combination of document representations formed from structural markup for the task of known-item search. As this

task is very similar to work in meta-search and data fusion, we adapt several hypotheses from those research areas and investigate them in this context. To investigate these hypotheses, we present a mixture-based language model and also examine many of the current meta-search algorithms. We find that compatible output from syst ...

Keywords: data fusion, known-item finding, language models, meta-search algorithms

15 OAI application: Extending SDARTS: extracting metadata from web databases and interfacing with the open archives initiative

Panagiotis G. Ipeirotis, Tom Barry, Luis Gravano

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(303.33 KB) Additional Information: full citation, abstract, references, index terms

SDARTS is a protocol and toolkit designed to facilitate metasearching. SDARTS combines two complementary existing protocols, SDLIP and STARTS, to define a uniform interface that collections should support for searching and exporting metasearch-related metadata. SDARTS also includes a toolkit with wrappers that are easily customized to make both local and remote document collections SDARTS-compliant. This paper describes two significant ways in which we have extended the SDARTS toolkit. First, we ...

Keywords: SDLIP, distributed searching, metadata, metasearching, web databases, wrapper construction

16 Posters: A unified model for metasearch and the efficient evaluation of retrieval systems via the hedge algorithm

Javed A. Aslam, Virgiliu Pavlu, Robert Savell

July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Publisher: ACM Press

Full text available: pdf(82.19 KB) Additional Information: full citation, abstract, references, index terms

We present a unified framework for simultaneously solving both the pooling problem (the construction of efficient document pools for the evaluation of retrieval systems) and metasearch (the fusion of ranked lists returned by retrieval systems in order to increase performance). The implementation is based on the **Hedge** algorithm for online learning, which has the advantage of convergence to bounded error rates approaching the performance of the best linear combination of the underlying syst ...

Keywords: metasearch, pooling, retrieval systems

17 Incremental clustering for profile maintenance in information gathering web agents

Gabriel L. Somlo, Adele E. Howe

May 2001 **Proceedings of the fifth international conference on Autonomous agents**

Publisher: ACM Press

Full text available: pdf(377.14 KB) Additional Information: full citation, abstract, references, citings, index terms

User profiles are the central component of most personalized Web information agents. They consist of a set of models representing the various topics of interest to the user. Often the agent learns the user's preferences from examples of documents deemed relevant to the user. The topic of the document can either be supplied by the user (active modeling), or it must be guessed by the agent (passive modeling), which is more convenient but is expected to diminish the agent's accuracy. We presen ...

Keywords: adaptation and learning, information agents, user modeling

18 Architecture of a metasearch engine that supports user information needs

Eric J. Glover, Steve Lawrence, William P. Birmingham, C. Lee Giles
November 1999 **Proceedings of the eighth international conference on Information and knowledge management**
Publisher: ACM Press

Full text available: pdf(858.64 KB) Additional Information: full citation, abstract, references, citings, index terms

When a query is submitted to a metasearch engine, decisions are made with respect to the underlying search engines to be used, what modifications will be made to the query, and how to score the results. These decisions are typically made by considering only the user's keyword query, neglecting the larger information need. Users with specific needs, such as "research papers" or "homepages," are not able to express these needs in a way that affects the decisions made b ...

19 The consumer side of search: Bias on the web

Abbe Mowshowitz, Akira Kawaguchi
September 2002 **Communications of the ACM**, Volume 45 Issue 9
Publisher: ACM Press

Full text available: pdf(152.95 KB) html(41.72 KB) Additional Information: full citation, abstract, references, index terms

When it comes to measuring bias on the Web, there is clearly strength in numbers (of search engines, that is).

20 System components for embedded information retrieval from multiple disparate information sources

Ramana Rao, Daniel M. Russell, Jock D. Mackinlay
December 1993 **Proceedings of the 6th annual ACM symposium on User interface software and technology**
Publisher: ACM Press

Full text available: pdf(1.11 MB) Additional Information: full citation, references, citings, index terms

Results 1 - 20 of 77 Result page: **1** 2 3 4 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

title: +metasearch or +"meta search"

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **metasearch** or **meta search** Found **77** of **171,143**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 21 - 40 of 77 Result page: previous 1 **2** 3 4 next

Relevance scale

21 Posters: Scholars portal: beyond simple metasearch

Krisellen Maloney, John R. James

June 2004 **Proceedings of the 4th ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(94.47 KB) Additional Information: full citation, abstract, references, index terms

The Scholars Portal Project is a collaborative venture joining seven ARL Libraries and a software vendor to develop an integrated web--based system that will connect researchers, instructors and students with appropriate, vetted information resources. The Project's initial focus has been on the meta--search discovery" and direct linking "delivery" tools that provide the software and metadata foundation for the Scholars Portal This paper will provide the current progress of implementation and pla ...

Keywords: metasearch, scholars portal

22 Session 1A: Comparing top k lists

Ronald Fagin, Ravi Kumar, D. Sivakumar

January 2003 **Proceedings of the fourteenth annual ACM-SIAM symposium on Discrete algorithms**

Publisher: Society for Industrial and Applied Mathematics

Full text available: pdf(1.02 MB) Additional Information: full citation, abstract, references, citings, index terms

Motivated by several applications, we introduce various distance measures between "top *k* lists." Some of these distance measures are metrics, while others are not. For each of these latter distance measures: we show that it is "almost" a metric in the following two seemingly unrelated aspects:step-(i) it satisfies a relaxed version of the polygonal (hence, triangle) inequality, andstep-(ii) there is a metric with positive constant multiples that bounds our measure above and below.This is ...

23 Information access and retrieval (IAR): Shadow document methods of resutls merging

Shengli Wu, Fabio Crestani

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available: pdf(176.76 KB) Additional Information: full citation, abstract, references, index terms

In distributed information retrieval systems, document overlaps occur frequently across results from different databases. This is especially the case for meta-search engines which merge results from several general-purpose web search engines. This paper addresses the problem of merging results which contain overlaps in order to achieve better performance. Several algorithms for merging results are proposed, which take advantage of the use of duplicate documents in two ways: one correlates scores ...

Keywords: data fusion, information retrieval

24 PERSIVAL, a system for personalized search and summarization over multimedia healthcare information

Kathleen R. McKeown, Shih-Fu Chang, James Cimino, Steven Feiner, Carol Friedman, Luis Gravano, Vasileios Hatzivassiloglou, Steven Johnson, Desmond A. Jordan, Judith L. Klavans, André Kushniruk, Vimla Patel, Simone Teufel

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(369.13 KB) Additional Information: full citation, abstract, references, citings, index terms

In healthcare settings, patients need access to online information tha t can help them understand their medical situation. Physicians need information that is clinically relevant to an individual patient. In this paper, we present our progress on developing a system, PERSIVAL, that is designed to provide personalized access to a distributed patient care digital library. Using the secure, online patient records at New York Presbyterian Hospital as a user model, PERSIVAL's components tailor s ...

Keywords: medical digital library, multimedia, natural language, personalization, query interface, search, summarization

25 Towards a highly-scalable and effective metasearch engine

Zonghuan Wu, Weiyi Meng, Clement Yu, Zhuogang Li

April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(245.18 KB) Additional Information: full citation, references, citings, index terms

Keywords: database selection, distributed text database, metasearch engine, resource discovery

26 Efficient and effective metasearch for a large number of text databases

Clement Yu, Weiyi Meng, King-Lup Liu, Wensheng Wu, Naphtali Rishe

November 1999 **Proceedings of the eighth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(1.04 MB) Additional Information: full citation, abstract, references, citings, index terms

Metasearch engines can be used to facilitate ordinary users for retrieving information from multiple local sources (text databases). In a metasearch engine, the contents of each local database is represented by a representative. Each user query is evaluated against the set of representatives of all databases in order to determine the appropriate databases to search. When the number of databases is very large, say in the order of tens

of thousands or more, then a traditional metasearch engin ...

27 Building efficient and effective metasearch engines

Weiyi Meng, Clement Yu, King-Lup Liu
March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1
Publisher: ACM Press

Full text available: pdf(416.07 KB) Additional Information: full citation, abstract, references, citings, index terms

Frequently a user's information needs are stored in the databases of multiple search engines. It is inconvenient and inefficient for an ordinary user to invoke multiple search engines and identify useful documents from the returned results. To support unified access to multiple search engines, a metasearch engine can be constructed. When a metasearch engine receives a query from a user, it invokes the underlying search engines to retrieve useful information for the user. Metasearch engines have ...

Keywords: Collection fusion, distributed collection, distributed information retrieval, information resource discovery, metasearch

28 Demonstrations: CMedPort: a cross-regional Chinese medical portal

Yilu Zhou, Jialun Qin, Hsinchun Chen, Zan Huang, Yiwen Zhang, Wingyan Chung, Gang Wang
May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**
Publisher: IEEE Computer Society

Full text available: pdf(106.63 KB) Additional Information: full citation, abstract, references, index terms

CMedPort is a cross-regional Chinese medical Web portal developed in the AI Lab at the University of Arizona. We will demonstrate the major system functionalities.

29 Learning to find answers to questions on the Web

Eugene Agichtein, Steve Lawrence, Luis Gravano
May 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 2
Publisher: ACM Press

Full text available: pdf(4.49 MB) Additional Information: full citation, abstract, references, index terms

We introduce a method for learning to find documents on the Web that contain answers to a given natural language question. In our approach, questions are transformed into new queries aimed at maximizing the probability of retrieving answers from existing information retrieval systems. The method involves automatically learning phrase features for classifying questions into different types, automatically generating candidate query transformations from a training set of question/answer pairs, and ...

Keywords: Web search, information retrieval, meta-search, query expansion, question answering

30 A unified environment for fusion of information retrieval approaches

M. Catherine McCabe, Abdur Chowdhury, David A. Grossman, Ophir Frieder
November 1999 **Proceedings of the eighth international conference on Information and knowledge management**
Publisher: ACM Press

Full text available: pdf(566.22 KB) Additional Information: full citation, abstract, references, citings, index terms

Prior work has shown that combining results of various retrieval approaches and query representations can improve search effectiveness. Today, many meta-search engines exist which combine the results of various search engines in the hopes of improving

overall effectiveness. However, the combination of results from different search engines masks variations in parsers, and other indexing techniques (stemming, stop words, etc.) This makes it difficult to assess the utility of the fusion techni ...

Keywords: fusion, information retrieval, metasearch, retrieval, text

31 Extending Matchmaking to Maximize Capability Reuse

Mario Gomez, Enric Plaza

July 2004 **Proceedings of the Third International Joint Conference on Autonomous Agents and Multiagent Systems - Volume 1**

Publisher: IEEE Computer Society

Full text available: pdf(212.88 KB) Additional Information: full citation, abstract, index terms

This paper describes an extension of semantic matchmaking that aims at maximizing the reuse of agent capabilities over new application domains. Our approach is to use an Agent Capability Description Language (ACDL) not only to describe the requests and the advertised capabilities, but also to describe the domain-models characterizing specific application domains. The description of tasks and capabilities is independent of any particular domain, though a capability can specify the knowledge requi ...

32 Posters: Rank aggregation for meta-search engines

Ka Wai Lam, Chi Ho Leung

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Publisher: ACM Press

Full text available: pdf(158.92 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we present an algorithm for merging results from different data sources in meta-search engine. We further extend one that has developed for ranking players of a round-robin tournament to a more general one when the ranking input is given from multiple sources. The problem in meta-search engine can be represented by a complete directed graph which can be used by the Majority Spanning Tree (MST) algorithm. It is useful especially when the system must integrate and merge the query re ...

Keywords: meta-search engines, rank aggregation

33 A highly scalable and effective method for metasearch

Weiyi Meng, Zonghuan Wu, Clement Yu, Zhuogang Li

July 2001 **ACM Transactions on Information Systems (TOIS)**, Volume 19 Issue 3

Publisher: ACM Press

Full text available: pdf(653.63 KB) Additional Information: full citation, abstract, references, citings, index terms

A metasearch engine is a system that supports unified access to multiple local search engines. Database selection is one of the main challenges in building a large-scale metasearch engine. The problem is to efficiently and accurately determine a small number of potentially useful local search engines to invoke for each user query. In order to enable accurate selection, metadata that reflect the contents of each search engine need to be collected and used. This article proposes a highly scalable ...

Keywords: Database selection, distributed text retrieval, metasearch engine, resource discovery

34 Efficient and effective metasearch for text databases incorporating linkages among

documents
Clement Yu, Weiyi Meng, Wensheng Wu, King-Lup Liu
May 2001 **ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data SIGMOD '01**, Volume 30 Issue 2
Publisher: ACM Press
Full text available: pdf(245.22 KB) Additional Information: full citation, abstract, references, citings, index terms

Linkages among documents have a significant impact on the importance of documents, as it can be argued that important documents are pointed to by many documents or by other important documents. Metasearch engines can be used to facilitate ordinary users for retrieving information from multiple local sources (text databases). There is a search engine associated with each database. In a large-scale metasearch engine, the contents of each local database is represented by a representative. Each u ...

Keywords: distributed collection, information retrieval, linkages among documents, metasearch

35 Information source selection for resource constrained environments
Demet Aksoy
December 2005 **ACM SIGMOD Record**, Volume 34 Issue 4
Publisher: ACM Press
Full text available: pdf(133.55 KB) Additional Information: full citation, abstract, references

Distributed information retrieval has pressing scalability concerns due to the growing number of independent sources of on-line data and the emerging applications. A promising solution to distributed retrieval is metasearching, which dispatches a user's query to multiple sources and gathers the results into a single result set. An important component of metasearching is selecting the set of information sources most likely to provide relevant documents. Recent research has focused on how to obtai ...

36 Ranking: Comparing and aggregating rankings with ties
Ronald Fagin, Ravi Kumar, Mohammad Mahdian, D. Sivakumar, Erik Vee
June 2004 **Proceedings of the twenty-third ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems PODS '04**
Publisher: ACM Press
Full text available: pdf(213.90 KB) Additional Information: full citation, abstract, references, citings

Rank aggregation has recently been proposed as a useful abstraction that has several applications, including meta-search, synthesizing rank functions from multiple indices, similarity search, and classification. In database applications (catalog searches, fielded searches, parametric searches, etc.), the rankings are produced by sorting an underlying database according to various fields. Typically, there are a number of fields that each have very few distinct values, and hence the corresponding ...

37 Posters: Testbed for information extraction from deep web
Yasuhiro Yamada, Nick Craswell, Tetsuya Nakatoh, Sachio Hirokawa
May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**
Publisher: ACM Press
Full text available: pdf(24.74 KB) Additional Information: full citation, abstract, references, index terms

Search results generated by searchable databases are served dynamically and far larger than the static documents on the Web. These results pages have been referred to as the Deep Web. We need to extract the target data in results pages to integrate them on different searchable databases. We propose a test bed for information extraction from

search results. We chose 100 databases randomly from 114,540 pages with search forms. Therefore, these databases have a good variety. We selected 51 database ...

Keywords: deep web, meta search, testbed, wrapper

38 SDLIP + STARTS = SDARTS a protocol and toolkit for metasearching

Noah Green, Panagiotis G. Ipeirotis, Luis Gravano

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(301.52 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we describe how we combined SDLIP and STARTS, two comple mentary protocols for searching over distributed document collections. The resulting protocol, which we call SDARTS, is simple yet expressible enough to enable building sophisticated metasearch engines. SDARTS can be viewed as an instantiation of SDLIP with metasearch-specific elements from STARTS. We also report on our experience building three SDARTS-compliant wrappers: for locally available plain-text document collect ...

39 Posters: Metacrystal: visualizing the degree of overlap between different search engines

Anselm Spoerri

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Publisher: ACM Press

Full text available: pdf(504.72 KB) Additional Information: full citation, abstract, references, index terms

MetaCrystal enables users to visualize and control the degree of overlap between the results returned by different search engines. Several linked overview tools support rapid exploration, facilitate complex filtering operations and guide users toward relevant information. MetaCrystal addresses the problem of the effective fusion of different search results by helping users to visually combine and filter the top results returned by the different engines. Users can apply weights to the search engi ...

Keywords: information visualization, meta searching

40 Topical locality in the Web

Brian D. Davison

July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(771.77 KB) Additional Information: full citation, abstract, references, citings, index terms

Most web pages are linked to others with related content. This idea, combined with another that says that *text in, and possibly around, HTML anchors describe the pages to which they point*, is the foundation for a usable World-Wide Web. In this paper, we examine to what extent these ideas hold by empirically testing whether topical locality mirrors spatial locality of pages on the Web. In particular, we find that the likelihood of linked pages having similar textual content to be ...

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

title: +metasearch or +"meta search"

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **metasearch** or **meta search** Found **77** of **171,143**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 41 - 60 of 77 Result page: previous 1 2 **3** 4 next

Relevance scale

41 Web Information Retrieval: Using sampled data and regression to merge search engine results

Luo Si, Jamie Callan

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(263.96 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper addresses the problem of merging results obtained from different databases and search engines in a distributed information retrieval environment. The prior research on this problem either assumed the exchange of statistics necessary for normalizing scores (cooperative solutions) or is heuristic. Both approaches have disadvantages. We show that the problem in uncooperative environments is simpler when viewed as a component of a distributed IR system that uses query-based sampling to cr ...

Keywords: distributed information retrieval, regression, results merging

42 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems

M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1

Publisher: ACM Press

Full text available: pdf(294.13 KB) Additional Information: full citation, abstract, references, index terms

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

Keywords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

43 Comparing the performance of collection selection algorithms

Allison L. Powell, James C. French

October 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 4
Publisher: ACM Press

Full text available: pdf(668.40 KB) Additional Information: full citation, abstract, references, citings, index terms

The proliferation of online information resources increases the importance of effective and efficient information retrieval in a multicollection environment. Multicollection searching is cast in three parts: collection selection (also referred to as database selection), query processing and results merging. In this work, we focus our attention on the evaluation of the first step, collection selection.In this article, we present a detailed discussion of the methodology that we used to evaluate an ...

Keywords: Collection selection, database selection, distributed information retrieval, distributed text retrieval, metasearch engine, resource discovery, resource ranking, resource selection, server ranking, server selection, text retrieval

44 Search 1: Extracting query modifications from nonlinear SVMs

Gary W. Flake, Eric J. Glover, Steve Lawrence, C. Lee Giles
May 2002 **Proceedings of the 11th international conference on World Wide Web**
Publisher: ACM Press

Full text available: pdf(192.98 KB) Additional Information: full citation, abstract, references, citings, index terms

When searching the WWW, users often desire results restricted to a particular document category. Ideally, a user would be able to filter results with a text classifier to minimize false positive results; however, current search engines allow only simple query modifications. To automate the process of generating effective query modifications, we introduce a sensitivity analysis-based method for extracting rules from nonlinear support vector machines. The proposed method allows the user to specify ...

Keywords: query modification, rule extraction, sensitivity analysis, support vector machine

45 STARTS: Stanford proposal for Internet meta-searching

Luis Gravano, Chen-Chuan K. Chang, Héctor García-Molina, Andreas Paepcke
June 1997 **ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data SIGMOD '97**, Volume 26 Issue 2
Publisher: ACM Press

Full text available: pdf(1.53 MB) Additional Information: full citation, abstract, references, citings, index terms

Document sources are available everywhere, both within the internal networks of organizations and on the Internet. Even individual organizations use search engines from different vendors to index their internal document collections. These search engines are typically incompatible in that they support different query models and interfaces, they do not return enough information with the query results for adequate merging of the results, and finally, in that they do not export metadata about t ...

46 XLibris: an automated library research assistant

Andrew Crossen, Jay Budzik, Mason Warner, Larry Birnbaum, Kristian J. Hammond
January 2001 **Proceedings of the 6th international conference on Intelligent user interfaces**
Publisher: ACM Press

Full text available: pdf(209.46 KB) Additional Information: full citation, abstract, references, citings, index terms

While recent work has focused on providing tools and infrastructure for users to access electronic information over the Internet, the relationship between the physical world and information available online has been relatively unexplored. Information about a user's location, and the objects she interacts with, can be sufficient to recognize enough of the user's task to drive retrieval of online information relevant to the task at hand. The XLibris system automatically retrieves, aggregates ...

Keywords: automated retrieval, information aggregation, metasearch, ubiquitous computing

47 A semisupervised learning method to merge search engine results

Luo Si, Jamie Callan
October 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 4
Publisher: ACM Press

Full text available: pdf(463.96 KB) Additional Information: full citation, abstract, references, citings, index terms

The proliferation of searchable text databases on local area networks and the Internet causes the problem of finding information that may be distributed among many disjoint text databases (*distributed information retrieval*). How to merge the results returned by selected databases is an important subproblem of the distributed information retrieval task. Previous research assumed that either resource providers cooperate to provide normalizing statistics or search clients download all retrie ...

Keywords: Distributed information retrieval, resource ranking, resource selection, results merging, semisupervised learning method, server selection

48 Novel search environments: Comparison of two approaches to building a vertical search tool: a case study in the nanotechnology domain

Michael Chau, Hsinchun Chen, Jialun Qin, Yilu Zhou, Yi Qin, Wai-Ki Sung, Daniel McDonald
July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**
Publisher: ACM Press

Full text available: pdf(859.29 KB) Additional Information: full citation, abstract, references, citings, index terms

As the Web has been growing exponentially, it has become increasingly difficult to search for desired information. In recent years, many domain-specific (vertical) search tools have been developed to serve the information needs of specific fields. This paper describes two approaches to building a domain-specific search tool. We report our experience in building two different tools in the nanotechnology domain -- (1) a server-side search engine, and (2) a client-side search agent. The designs of ...

Keywords: indexing, information retrieval, internet searching and browsing, internet spider, noun-phrasing, personalization, post-retrieval analysis, self-organizing map, summarization, vertical search engine, web search engine

49 Optimizing recall/precision scores in IR over the WWW

Matthew Montebello
August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press

Full text available: pdf(296.25 KB) Additional Information: full citation, references, citings, index terms

50 Research sessions: text and DB: When one sample is not enough: improving text database selection using shrinkage

Panagiotis G. Ipeirotis, Luis Gravano

June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**

Publisher: ACM Press

Full text available: pdf(391.26 KB) Additional Information: full citation, abstract, references

Database selection is an important step when searching over large numbers of distributed text databases. The database selection task relies on statistical summaries of the database contents, which are not typically exported by databases. Previous research has developed algorithms for constructing an approximate content summary of a text database from a small document sample extracted via querying. Unfortunately, Zipf's law practically guarantees that content summaries built this way for any rela ...

51 Poster session: Experiments on data fusion using headline information

Xiao Mang Shou, Mark Sanderson

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(127.15 KB) Additional Information: full citation, abstract, references, citings, index terms

This poster describes initial work exploring a relatively unexamined area of data fusion: fusing the results of retrieval systems whose collections have no overlap between them. Many of the effective meta-search/data fusion strategies gain much of their success from exploiting document overlap across the source systems being merged. When the intersection of the collections is the empty set, the strategies generally degrade to a simpler form. In order to address such situations, two strategies we ...

52 Effect of different network analysis strategies on search engine re-ranking

Behnak Yaltaghian, Mark H. Chignell

October 2004 **Proceedings of the 2004 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(253.28 KB) Additional Information: full citation, abstract, references, index terms

The research described in this paper examined two different approaches to building the co-citation network that the authors have used in re-ranking the set of results returned by a search engine [22, 23]. The more computationally demanding (in terms of query load) Inter- or Web-wide co-citation approach used in-links from throughout the Web to build the network. In contrast, the Intra co-citation approach only used inlinks inferred from search engine output. Results of this study confirmed th ...

53 Challenges in information retrieval and language modeling: report of a workshop held at the center for intelligent information retrieval, University of Massachusetts Amherst, September 2002

James Allan, Jay Aslam, Nicholas Belkin, Chris Buckley, Jamie Callan, Bruce Croft, Sue Dumais, Norbert Fuhr, Donna Harman, David J. Harper, Djoerd Hiemstra, Thomas Hofmann, Eduard Hovy, Wessel Kraaij, John Lafferty, Victor Lavrenko, David Lewis, Liz Liddy, R. Manmatha, Andrew McCallum, Jay Ponte, John Prager, Dragomir Radev, Philip Resnik, Stephen Robertson, Roni Rosenfeld, Salim Roukos, Mark Sanderson, Rich Schwartz, Amit Singhal, Alan Smeaton, Howard Turtle, Ellen Voorhees, Ralph Weischedel, Jinxi Xu, ChengXiang Zhai

April 2003 **ACM SIGIR Forum**, Volume 37 Issue 1

Publisher: ACM Press
Full text available: pdf(1.60 MB) Additional Information: full citation, citings, index terms, review

54 Web search 2: Personalized web search by mapping user queries to categories
Fang Liu, Clement Yu, Weiyi Meng
November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**
Publisher: ACM Press
Full text available: pdf(286.83 KB) Additional Information: full citation, abstract, references, citings, index terms

Current web search engines are built to serve all users, independent of the needs of any individual user. Personalization of web search is to carry out retrieval for each user incorporating his/her interests. We propose a novel technique to map a user query to a set of categories, which represent the user's search intention. This set of categories can serve as a context to disambiguate the words in the user's query. A user profile and a general profile are learned from the user's search history ...

Keywords: category hierarchy, information filtering, personalization, search engine

55 Server selection on the World Wide Web
Nick Craswell, Peter Bailey, David Hawking
June 2000 **Proceedings of the fifth ACM conference on Digital libraries**
Publisher: ACM Press
Full text available: pdf(102.88 KB) Additional Information: full citation, abstract, references, citings, index terms

Significant efforts are being made to digitize rare and valuable library materials, with the goal of providing patrons and historians digital facsimiles that capture the "look and feel" of the original materials. This is often done by digitally photographing the materials and making high resolution 2D images available. The underlying assumption is that the objects are flat. However, older materials may not be flat in practice, being warped and crinkled due to decay, neg ...

Keywords: World Wide Web, distributed information retrieval, effectiveness evaluation, server selection

56 Modeling score distributions for combining the outputs of search engines
R. Manmatha, T. Rath, F. Feng
September 2001 **Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(236.39 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper the score distributions of a number of text search engines are modeled. It is shown empirically that the score distributions on a per query basis may be fitted using an exponential distribution for the set of non-relevant documents and a normal distribution for the set of relevant documents. Experiments show that this model fits TREC-3 and TREC-4 data for not only probabilistic search engines like INQUERY but also vector space search engines like SMART for English. We have als ...

57 Using query mediators for distributed searching in federated digital libraries

Naomi Dushay, James C. French, Carl Lagoze
August 1999 **Proceedings of the fourth ACM conference on Digital libraries**
Publisher: ACM Press
Full text available: pdf(99.29 KB) Additional Information: full citation, references, citings, index terms

Keywords: distributed searching, query routing, search engine performance

58 Internet data management (IDM): Learning query languages of Web interfaces
André Bergholz, Boris Chidlovskii
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**
Publisher: ACM Press
Full text available: pdf(253.16 KB) Additional Information: full citation, abstract, references

This paper studies the problem of automatic acquisition of the query languages supported by a Web information resource. We describe a system that automatically probes the search interface of a resource with a set of test queries and analyses the returned pages to recognize supported query operators. The automatic acquisition assumes the availability of the number of matches the resource returns for a submitted query. The match numbers are used to train a learning system and to generate classific ...

Keywords: hidden Web, learning, query operators, search interface

59 Placing search in context: the concept revisited
Lev Finkelstein, Evgeniy Gabrilovich, Yossi Matias, Ehud Rivlin, Zach Solan, Gadi Wolfman, Eytan Ruppin
April 2001 **Proceedings of the 10th international conference on World Wide Web**
Publisher: ACM Press
Full text available: pdf(235.96 KB) Additional Information: full citation, references, citings, index terms

Keywords: context, invisible web, search, semantic processing, statistical natural language processing

60 Placing search in context: the concept revisited
January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1
Publisher: ACM Press
Full text available: pdf(926.20 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Keyword-based search engines are in widespread use today as a popular means for Web-based information retrieval. Although such systems seem deceptively simple, a considerable amount of skill is required in order to satisfy non-trivial information needs. This paper presents a new conceptual paradigm for performing search in context, that largely automates the search process, providing even non-professional users with highly relevant results. This paradigm is implemented in practice in the Intelli ...

Keywords: Search, context, invisible web, semantic processing, statistical natural language processing

Results 41 - 60 of 77 Result page: previous 1 2 **3** 4 next

ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

title: +metasearch or +"meta search"

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **metasearch** or **meta search** Found **77** of **171,143**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 61 - 77 of 77 Result page: previous 1 2 3 **4**

Relevance scale

61 Semantic caching of Web queries

Boris Chidlovskii, Uwe M. Borghoff

March 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 9 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(235.09 KB) Additional Information: full citation, abstract, citings, index terms

In meta-searchers accessing distributed Web-based information repositories, performance is a major issue. Efficient query processing requires an appropriate caching mechanism. Unfortunately, standard page-based as well as tuple-based caching mechanisms designed for conventional databases are not efficient on the Web, where keyword-based querying is often the only way to retrieve data. In this work, we study the problem of semantic caching of Web queries and develop a caching mechanism for conjun ...

Keywords: Experiments, Query algorithms, Region containment, Semantic caching, Signature files

62 XML schemas: integration and translation: Intelligent knowledge discovery in peer-to-peer file sharing

Yugyung Lee, Changgyu Oh, Eun Kyo Park

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(381.17 KB) Additional Information: full citation, abstract, references, index terms

Emerging peer-to-peer computing provides new possibilities but also challenges for distributed applications. Despite their significant potential, current peer-to-peer networks lack efficient knowledge discovery and management. This paper addresses this deficiency and proposes the Intelligent File Sharing framework, which provides an effective and flexible query for P2P file sharing. The IFS is based on powerful schema and flexible inference, as well as efficiently integrated and extensible retri ...

Keywords: association rules, encoding, hierarchy, peer-to-peer file sharing, reasoning, retrieval, search

63 Predicate rewriting for translating Boolean queries in a heterogeneous information

system
Chen-Chuan K. Chang, Héctor Garcia-Molina, Andreas Paepcke
January 1999 **ACM Transactions on Information Systems (TOIS)**, Volume 17 Issue 1
Publisher: ACM Press
Full text available: pdf(350.96 KB) Additional Information: full citation, abstract, references, citings, index terms

Searching over heterogeneous information sources is difficult in part because of the nonuniform query languages. Our approach is to allow users to compose Boolean queries in one rich front-end language. For each user query and target source, we transform the user query into a subsuming query that can be supported by the source but that may return extra documents. The results are then processed by a filter query to yield the correct final results. In this article we introduce the architectur ...

Keywords: Boolean queries, content-based retrieval, filtering, predicate rewriting, query subsumption, query translation

64 DEADLINER: building a new niche search engine
A. Kruger, C. L. Giles, F. M. Coetzee, E. Glover, G. W. Flake, S. Lawrence, C. Omlin
November 2000 **Proceedings of the ninth international conference on Information and knowledge management**
Publisher: ACM Press
Full text available: pdf(340.59 KB) Additional Information: full citation, references, citings, index terms

Keywords: Bayesian fusion approaches, text extraction, web search

65 Industry/government track posters: Exploring the community structure of newsgroups
Christian Borgs, Jennifer Chayes, Mohammad Mahdian, Amin Saberi
August 2004 **Proceedings of the tenth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '04**
Publisher: ACM Press
Full text available: pdf(3.11 MB) Additional Information: full citation, abstract, references, index terms

We propose to use the community structure of Usenet for organizing and retrieving the information stored in newsgroups. In particular, we study the network formed by cross-posts, messages that are posted to two or more newsgroups simultaneously. We present what is, to our knowledge, by far the most detailed data that has been collected on Usenet cross-postings. We analyze this network to show that it is a small-world network with significant clustering. We also present a spectral algorithm which ...

Keywords: clustering, spectral method, usenet

66 Technical best paper contest session: Learning query-class dependent weights in automatic video retrieval
Rong Yan, Jun Yang, Alexander G. Hauptmann
October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: pdf(414.60 KB) Additional Information: full citation, abstract, references, index terms

Combining retrieval results from multiple modalities plays a crucial role for video retrieval systems, especially for automatic video retrieval systems without any user feedback and

query expansion. However, most of current systems only utilize query independent combination or rely on explicit user weighting. In this work, we propose using query-class dependent weights within a hierarchial mixture-of-expert framework to combine multiple retrieval results. We first classify each user query int ...

Keywords: learning, modality fusion, query class, video retrieval

67 Web Data Mining: Mining source coverage statistics for data integration

Zaiqing Nie, Subbarao Kambhampati, Ullas Nambiar, Sreelakshmi Vaddi

November 2001 **Proceedings of the 3rd international workshop on Web information and data management**

Publisher: ACM Press

Full text available: pdf(266.23 KB) Additional Information: full citation, abstract, references, citings, index terms

Recent work in data integration has shown the importance of statistical information about the coverage and overlap of sources for efficient query processing. Despite this recognition there are no effective approaches for learning the needed statistics. The key challenge in learning such statistics is keeping the number of needed statistics low enough to have the storage and learning costs manageable. Naive approaches can become infeasible very quickly. In this paper we present a set of connected ...

68 Editorial: special issue on web content mining

Bing Liu, Kevin Chen-Chuan-Chang

December 2004 **ACM SIGKDD Explorations Newsletter**, Volume 6 Issue 2

Publisher: ACM Press

Full text available: pdf(178.32 KB) Additional Information: full citation, abstract, references

With the phenomenal growth of the Web, there is an everincreasing volume of data and information published in numerous Web pages. The research in Web mining aims to develop new techniques to effectively extract and mine useful knowledge or information from these Web pages [8]. Due to the heterogeneity and lack of structure of Web data, automated discovery of targeted or unexpected knowledge/information is a challenging task. It calls for novel methods that draw from a wide range of fields spanni ...

69 Distributed: A utility theoretic approach to determining optimal wait times in distributed information retrieval

Kartik Hosanagar

August 2005 **Proceedings of the 28th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '05**

Publisher: ACM Press

Full text available: pdf(279.09 KB) Additional Information: full citation, abstract, references, index terms

Distributed IR systems query a large number of IR servers, merge the retrieved results and display them to users. Since different servers handle collections of different sizes, have different processing and bandwidth capacities, there can be considerable heterogeneity in their response times. The broker in the distributed IR system thus has to make decisions regarding terminating searches based on perceived value of waiting -- retrieving more documents -- and the costs imposed on users by waitin ...

Keywords: distributed IR, optimal wait time, query termination, utility theory

70 Agents, interactions, mobility, and systems (AIMS): Knowledge-based conversational agents and virtual storytelling

Paul Tarau, Elizabeth Figa
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**
Publisher: ACM Press
Full text available: pdf(461.87 KB) Additional Information: full citation, abstract, references

We describe an architecture for building speech-enabled conversational agents, deployed as self-contained Web services, with ability to provide inference processing on very large knowledge bases and its application to voice enabled chatbots in a virtual storytelling environment. The architecture integrates inference engines, natural language pattern matching components and story-specific information extraction from RDF/XML files. Our Web interface is dynamically generated by server side agents s ...

Keywords: FrameNet and Open Mind-based knowledge processing, WordNet, agent architectures, agentbased Web services, conversational agents, logic programming, natural language and speech processing, virtual storytelling

71 GlOSS: text-source discovery over the Internet
Luis Gravano, Héctor García-Molina, Anthony Tomasic
June 1999 **ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 2
Publisher: ACM Press
Full text available: pdf(230.37 KB) Additional Information: full citation, abstract, references, citings, index terms, review

The dramatic growth of the Internet has created a new problem for users: location of the relevant sources of documents. This article presents a framework for (and experimentally analyzes a solution to) this problem, which we call the text-source discovery problem. Our approach consists of two phases. First, each text source exports its contents to a centralized service. Second, users present queries to the service, which returns an ordered list of promising text sources. T ...

Keywords: Internet search and retrieval, digital libraries, distributed information retrieval, text databases

72 Information quality-driven data integration: Utility-based resolution of data inconsistencies
Amihai Motro, Philipp Anokhin
June 2004 **Proceedings of the 2004 international workshop on Information quality in information systems**
Publisher: ACM Press
Full text available: pdf(124.45 KB) Additional Information: full citation, abstract, references

A virtual database system is software that provides unified access to multiple information sources. If the sources are *overlapping* in their contents and *independently* maintained, then the likelihood of *inconsistent* answers is high. Solutions are often based on ranking (which sorts the different answers according to recurrence) and on fusion (which synthesizes a new value from the different alternatives according to a specific formula). In this paper we argue that both method ...

73 Distributed: Modeling search engine effectiveness for federated search
Luo Si, Jamie Callan
August 2005 **Proceedings of the 28th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '05**
Publisher: ACM Press
Full text available: pdf(266.94 KB) Additional Information: full citation, abstract, references, index terms

Federated search links multiple search engines into a single, virtual search system. Most prior research of federated search focused on selecting search engines that have the most relevant contents, but ignored the retrieval effectiveness of individual search engines. This omission can cause serious problems when federating search engines of different qualities.This paper proposes a federated search technique that uses utility maximization to model the retrieval effectiveness of each search engi ...

Keywords: model search engine effectiveness

74 OAI in action: Repository synchronization in the OAI framework
Xiaoming Liu, Kurt Maly, Mohammad Zubair, Michael L. Nelson
May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**
Publisher: IEEE Computer Society

Full text available: pdf(98.38 KB) Additional Information: full citation, abstract, references, citings, index terms

The Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) began as an alternative to distributed searching of scholarly eprint repositories. The model embraced by the OAI-PMH is that of metadata harvesting, where value-added services (by a "service provider") are constructed on cached copies of the metadata extracted from the repositories of the harvester's choosing. While this model dispenses with the well known problems of distributed searching, it introduces the problem of synch ...

75 Distributed information retrieval: Relevant document distribution estimation method for resource selection
Luo Si, Jamie Callan
July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**
Publisher: ACM Press

Full text available: pdf(210.99 KB) Additional Information: full citation, abstract, references, citings, index terms

Prior research under a variety of conditions has shown the CORI algorithm to be one of the most effective resource selection algorithms, but the range of database sizes studied was not large. This paper shows that the CORI algorithm does not do well in environments with a mix of "small" and "very large" databases. A new resource selection algorithm is proposed that uses information about database sizes as well as database contents. We also show how to acquire database size estimates in uncoopera ...

Keywords: resource selection

76 Digital libraries for spatial data: The ADEPT digital library architecture
Greg Janée, James Frew
July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**
Publisher: ACM Press

Full text available: pdf(263.61 KB) Additional Information: full citation, abstract, references, citings, index terms

The Alexandria Digital Earth ProtoType (ADEPT) architecture is a framework for building distributed digital libraries of georeferenced information. An ADEPT system comprises one or more autonomous libraries, each of which provides a uniform interface to one or more collections, each of which manages metadata for one or more items. The primary standard on which the architecture is based is the ADEPT bucket framework, which defines uniform client-level metadata query services that are compatible w ...

Keywords: bucket framework, collection discovery, distribution, interoperability, metadata

77 Web technologies: Using web helper agent profiles in query generation





Gabriel L. Somlo, Adele E. Howe

July 2003 **Proceedings of the second international joint conference on Autonomous agents and multiagent systems**

Publisher: ACM Press

Full text available: pdf(154.84 KB) Additional Information: full citation, abstract, references, index terms

Personalized information agents can help overcome some of the limitations of communal Web information sources such as portals and search engines. Two important components of these agents are: user profiles and information filtering or gathering services. Ideally, these components can be separated so that a single user profile can be leveraged for a variety of information services. Toward that end, we are building an information agent called *SurfAgent*; in previous studies, we have develope ...

Keywords: information agents, query generation, user modeling

Results 61 - 77 of 77 Result page: previous 1 2 3 **4**

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

IEEE Xplore RELEASE 2.1

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

Search Results BROWSE SEARCH IEEE XPLORE GUIDE

e-mail

Results for "((metasearch)<in>metadata)"
Your search matched **29** of **1318251** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

((metasearch)<in>metadata) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **Using online relevance feedback to build effective personalized metasear**
Zhu Shanfeng; Deng Xiaotie; Chen Kang; Zheng Weimin;
Web Information Systems Engineering, 2001. Proceedings of the Second Inter Conference on
Volume 1, 3-6 Dec. 2001 Page(s):262 - 268 vol.1
AbstractPlus | Full Text: PDF(676 KB) IEEE CNF
Rights and Permissions

2. **Detection of heterogeneities in a multiple text database environment**
Weiyi Meng; Clement Yu; King-Lup Liu;
Cooperative Information Systems, 1999. CoopIS '99. Proceedings. 1999 IFCIS Conference on
2-4 Sept. 1999 Page(s):22 - 33
Digital Object Identifier 10.1109/COOPIS.1999.792150
AbstractPlus | Full Text: PDF(872 KB) IEEE CNF
Rights and Permissions

3. **Search in Linked Document Space by Social Topology Agents**
Naruse, K.; Oka, R.;
Evolutionary Computation, 2005. The 2005 IEEE Congress on
Volume 1, 02-05 Sept. 2005 Page(s):850 - 855
AbstractPlus | Full Text: PDF(3848 KB) IEEE CNF
Rights and Permissions

4. **Web metasearching for mobile environment using Metaria**
Chan, S.K.M.; Shiu, J.K.H.;
Advanced Information Networking and Applications, 2004. AINA 2004. 18th Int Conference on
Volume 2, 2004 Page(s):481 - 484 Vol.2
Digital Object Identifier 10.1109/AINA.2004.1283848
AbstractPlus | Full Text: PDF(284 KB) IEEE CNF
Rights and Permissions

5. **Towards automatic incorporation of search engines into a large-scale me**
Zonghuan Wu; Vijay Raghavan; Hua Qian; Rama, K.V.; Weiyi Meng; Hai He; Y
Web Intelligence, 2003. WI 2003. Proceedings. IEEE/WIC International Confer
13-17 Oct. 2003 Page(s):658 - 661

AbstractPlus | Full Text: PDF(2294 KB) IEEE CNF
Rights and Permissions

6. **Using relevance feedback in content-based image metasearch**
Benitez, A.B.; Beigi, M.; Shih-Fu Chang;
Internet Computing, IEEE
Volume 2, Issue 4, July-Aug. 1998 Page(s):59 - 69
Digital Object Identifier 10.1109/4236.707692
AbstractPlus | References | Full Text: PDF(176 KB) IEEE JNL
Rights and Permissions

7. **ComRank: Metasearch and Automatic Ranking of XML Retrieval System**
Woodley, A.; Geva, S.;
Cyberworlds, 2005. International Conference on
23-25 Nov. 2005 Page(s):147 - 154
Digital Object Identifier 10.1109/CW.2005.30
AbstractPlus | Full Text: PDF(360 KB) IEEE CNF
Rights and Permissions

8. **KhojYantra: an integrated MetaSearch engine with classification, clusteri**
Mishra, R.K.; Prabhakar, T.V.;
Database Engineering and Applications Symposium, 2000 International
18-20 Sept. 2000 Page(s):122 - 133
Digital Object Identifier 10.1109/IDEAS.2000.880570
AbstractPlus | Full Text: PDF(636 KB) IEEE CNF
Rights and Permissions

9. **Context and page analysis for improved Web search**
Lawrence, S.; Giles, C.L.;
Internet Computing, IEEE
Volume 2, Issue 4, July-Aug. 1998 Page(s):38 - 46
Digital Object Identifier 10.1109/4236.707689
AbstractPlus | References | Full Text: PDF(112 KB) IEEE JNL
Rights and Permissions

10. **Hierarchical structural approach to improving the browsability of Web se results**
Hang Cui; Zaine, O.R.;
Database and Expert Systems Applications, 2001. Proceedings. 12th Internati
3-7 Sept. 2001 Page(s):956 - 960
Digital Object Identifier 10.1109/DEXA.2001.953178
AbstractPlus | Full Text: PDF(480 KB) IEEE CNF
Rights and Permissions

11. **Global integration of visual databases**
Chang, W.; Murthy, D.; Zhang, A.; Syeda-Mahmood, T.F.;
Data Engineering, 1998. Proceedings., 14th International Conference on
23-27 Feb. 1998 Page(s):542 - 549
Digital Object Identifier 10.1109/ICDE.1998.655817
AbstractPlus | Full Text: PDF(132 KB) IEEE CNF
Rights and Permissions

12. **NetView: integrating large scale distributed visual databases**
Aidong Zhang; Chang, W.; Sheikholeslami, G.; Syeda-Mahmood, T.F.;
Multimedia, IEEE
Volume 5, Issue 3, July-Sept. 1998 Page(s):47 - 59
Digital Object Identifier 10.1109/93.713304
AbstractPlus | References | Full Text: PDF(544 KB) IEEE JNL
Rights and Permissions

☐ **13. URL diving**
Thomas, B.;
Internet Computing, IEEE
Volume 2, Issue 3, May-June 1998 Page(s):92 - 93
Digital Object Identifier 10.1109/4236.683805
AbstractPlus | Full Text: PDF(60 KB) IEEE JNL
Rights and Permissions

☐ **14. Searching the Web: general and scientific information access**
Lawrence, S.; Giles, C.L.;
Communications Magazine, IEEE
Volume 37, Issue 1, Jan. 1999 Page(s):116 - 122
Digital Object Identifier 10.1109/35.739314
AbstractPlus | Full Text: PDF(996 KB) IEEE JNL
Rights and Permissions

☐ **15. K-DIME: an affective image filtering system**
Bianchi-Berthouze, N.;
Multimedia, IEEE
Volume 10, Issue 3, July-Sept. 2003 Page(s):103 - 106
Digital Object Identifier 10.1109/MMUL.2003.1218262
AbstractPlus | References | Full Text: PDF(1146 KB) IEEE JNL
Rights and Permissions

☐ **16. Response-time analysis of composite Web services**
Menasce, D.A.;
Internet Computing, IEEE
Volume 8, Issue 1, Jan-Feb 2004 Page(s):90 - 92
Digital Object Identifier 10.1109/MIC.2004.1260710
AbstractPlus | Full Text: PDF(355 KB) IEEE JNL
Rights and Permissions

☐ **17. Design optimization of a next generation Yottabit-per-second network**
Degila, J.; Sanso, B.;
Communications, 2004 IEEE International Conference on
Volume 2, 20-24 June 2004 Page(s):1227 - 1231 Vol.2
AbstractPlus | Full Text: PDF(323 KB) IEEE CNF
Rights and Permissions

☐ **18. Feature selection in Web applications by ROC inflections and powerset p**
Coetzee, F.M.; Glover, E.; Lawrence, S.; Giles, C.L.;
Applications and the Internet, 2001. Proceedings. 2001 Symposium on
8-12 Jan. 2001 Page(s):5 - 14
Digital Object Identifier 10.1109/SAINT.2001.905163
AbstractPlus | Full Text: PDF(932 KB) IEEE CNF
Rights and Permissions

☐ **19. Estimating the usefulness of search engines**
Weiyi Meng; King-Lup Liu; Clement Yu; Wensheng Wu; Naphtali Rishe, N.;
Data Engineering, 1999. Proceedings., 15th International Conference on
23-26 March 1999 Page(s):146 - 153
Digital Object Identifier 10.1109/ICDE.1999.754917
AbstractPlus | Full Text: PDF(812 KB) IEEE CNF
Rights and Permissions

☐ **20. Searching the Web: general and scientific information access**
Lawrence, S.; Giles, C.L.;

Internet Technologies and Services, 1999. Proceedings. First IEEE/Popov Wo
1999 Page(s):18 - 31
Digital Object Identifier 10.1109/INTS.1999.874002

AbstractPlus | Full Text: PDF(876 KB) IEEE CNF
Rights and Permissions

21. **Automatically Mining Result Records from Search Engine Response Pag**
Mundluru, D.; Katukuri, J.R.; Celebi, S.;
Data Mining, Fifth IEEE International Conference on
27-30 Nov. 2005 Page(s):749 - 752
Digital Object Identifier 10.1109/ICDM.2005.30

AbstractPlus | Full Text: PDF(120 KB) IEEE CNF
Rights and Permissions

22. **Scholars Portal: moving beyond simple metasearch**
Maloney, K.; James, J.R.;
Digital Libraries, 2004. Proceedings of the 2004 Joint ACM/IEEE Conference c
7-11 June 2004 Page(s):401
Digital Object Identifier 10.1109/JCDL.2004.1336205

AbstractPlus | Full Text: PDF(212 KB) IEEE CNF
Rights and Permissions

23. **Information classification using fuzzy knowledge based agents**
Camacho, D.; Hernandez, C.; Molina, J.M.;
Systems, Man, and Cybernetics, 2001 IEEE International Conference on
Volume 4, 7-10 Oct. 2001 Page(s):2575 - 2580 vol.4
Digital Object Identifier 10.1109/ICSMC.2001.972951

AbstractPlus | Full Text: PDF(450 KB) IEEE CNF
Rights and Permissions

24. **Concept hierarchy based text database categorization in a metasearch ei environment**
Wang, W.; Meng, W.; Yu, C.;
Web Information Systems Engineering, 2000. Proceedings of the First Internat on
Volume 1, 19-21 June 2000 Page(s):283 - 290 vol.1
Digital Object Identifier 10.1109/WISE.2000.882403

AbstractPlus | Full Text: PDF(728 KB) IEEE CNF
Rights and Permissions

25. **Reducing the information overload: a method on helping students resea topics using the Internet**
Rockland, R.H.;
Education, IEEE Transactions on
Volume 43, Issue 4, Nov. 2000 Page(s):420 - 425
Digital Object Identifier 10.1109/13.883352

AbstractPlus | References | Full Text: PDF(372 KB) IEEE JNL
Rights and Permissions

Indexed by Inspec®
© Copyright 2006 IEEE --

IEEE Xplore RELEASE 2.1

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

Search Results BROWSE SEARCH IEEE XPLORE GUIDE

e-mail

Results for "((metasearch)<in>metadata)"
Your search matched **29** of **1318251** documents.
A maximum of **29** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

((metasearch)<in>metadata) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

26. A statistical method for estimating the usefulness of text databases
King-Lup Liu; Yu, C.; Weiyi Meng; Wensheng Wu; Rishe, N.;
Knowledge and Data Engineering, IEEE Transactions on
Volume 14, Issue 6, Nov.-Dec. 2002 Page(s):1422 - 1437
Digital Object Identifier 10.1109/TKDE.2002.1047777
AbstractPlus | References | Full Text: PDF(516 KB) IEEE JNL
Rights and Permissions

27. A methodology to retrieve text documents from multiple databases
Yu, C.; King-Lup Liu; Weiyi Meng; Zonghuan Wu; Rishe, N.;
Knowledge and Data Engineering, IEEE Transactions on
Volume 14, Issue 6, Nov.-Dec. 2002 Page(s):1347 - 1361
Digital Object Identifier 10.1109/TKDE.2002.1047772
AbstractPlus | References | Full Text: PDF(443 KB) IEEE JNL
Rights and Permissions

28. Information retrieval with distributed databases: analytic models of perfo
Losee, R.M.; Church, L., Jr.;
Parallel and Distributed Systems, IEEE Transactions on
Volume 15, Issue 1, Jan. 2004 Page(s):18 - 27
Digital Object Identifier 10.1109/TPDS.2004.1264782
AbstractPlus | References | Full Text: PDF(297 KB) IEEE JNL
Rights and Permissions

29. Searching for cost functions
Clark, J.A.; Jacob, J.L.; Stepney, S.;
Evolutionary Computation, 2004. CEC2004. Congress on
Volume 2, 19-23 June 2004 Page(s):1517 - 1524 Vol.2
Digital Object Identifier 10.1109/CEC.2004.1331076
AbstractPlus | Full Text: PDF(644 KB) IEEE CNF
Rights and Permissions

Help Contact Us Privacy &

© Copyright 2006 IEEE –


Indexed by
Inspec